

# Converting Colors

XYZ(74.4579, 89.2875, 90.9802)

Have a look what the booklet for  
XYZ(74.4579, 89.2875, 90.9802)  
contains.

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# Color

**XYZ(74.3805, 89.2416,  
91.1470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FEEA
RGB	201, 254, 234
RGB Percent	79%, 100%, 92%
CMY	0.2118, 0.0039, 0.0823
CMYK	0.21, 0.00, 0.08, 0.00
HSL	157°, 96%, 89%
HSV	157°, 21%, 100%
XYZ	74.3805, 89.2416, 91.1470
YIQ	235.8730, -25.1680, -17.4560

# Conversions

## Conversions Part 2

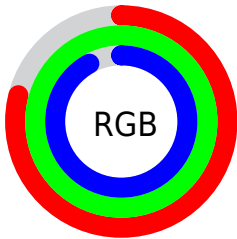
Format	Color
R <sub>YB</sub>	201, 234, 254
Decimal	13237994
CIE Lab	95.68, -20.62, 4.06
CIE LCh	96, 21.019, 168.855
Yxy	89.2416, 0.2920, 0.3503
Android (android.graphics.Color)	4291428074 (0xFFC9FEEA)
YUV	235.8730, -0.9234, -30.5836
Hunter-Lab	94.4678, -24.7742, 8.9216

# Details

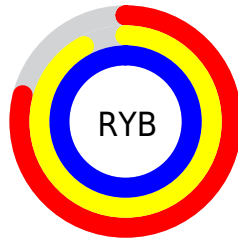
The XYZ color **74.3805, 89.2416, 91.1470** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8140, 68.0669, 77.6056**, and the grayscale version is **79.6543, 83.8026, 91.2610**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.8562, 49.2578, 49.5266** is the 20% darker color. If you saturate the color by 10%, you get **66.7690, 85.4750, 83.7962**, and if you desaturate by 10%, it is **83.2006, 93.6275, 98.9471**.

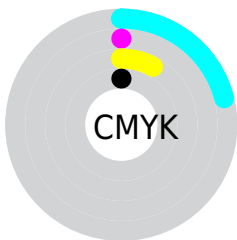
# Distribution



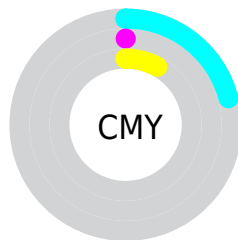
- Red (79%)
- Green (100%)
- Blue (92%)



- Red (79%)
- Yellow (92%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3805, 89.2416, 91.1470 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 74.3805, 89.2416, 91.1470 by changing the saturation by 10% instead.




 74.3805, 89.2416,  
91.1470

 74.3805, 89.2416,  
91.1470


464.8156,  
525.5607, 552.4211

 55.3979, 67.3518,  
68.3533


124.4277,  
146.2845, 150.8800

 39.9555, 49.3706,  
49.7167


156.2229,  
182.2064, 188.6564

 27.6879, 34.9135,  
34.8188


193.0198,  
223.5744, 232.2641

 18.2298, 23.5963,  
23.2409

235.1836,  
270.7730, 282.1216

 11.2158, 15.0344,  
14.5645

283.0798,  
324.1865, 338.6476

 6.2805, 8.8435,  
8.3711

337.0736,

 3.0587, 4.6393,

384.1994, 402.2604

4.2422

397.5304,  
451.1960, 473.3787

■ 1.1849, 2.0372,  
1.7591

■ 0.0944, 0.6290,  
0.4008

■ 74.3805, 89.2416,  
91.1470

■ 74.3805, 89.2416,  
91.1470

■ 66.7690, 85.4750,  
83.7962

■ 83.2006, 93.6275,  
98.9471

■ 60.3020, 82.2875,  
76.8801

■ 93.2745, 98.6486,  
107.1990

■ 54.9207, 79.6514,  
70.3915

■ 94.7334, 99.3669,  
108.7945

■ 50.5577, 77.5320,  
64.3208

■ 47.1380, 75.8909,  
58.6581

■ 44.5754, 74.6837,  
53.3924

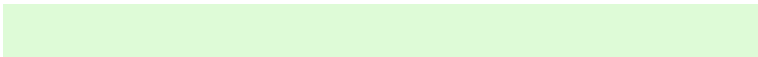
■ 42.7671, 73.8577,  
48.5122

■ 41.6274, 73.3604,  
44.3787

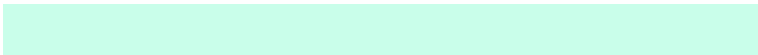
# Harmonies

## Analogous

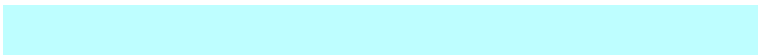
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7266, 89.2416, 77.6997



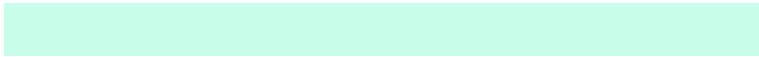
74.3805, 89.2416, 91.1470



74.7353, 89.2416, 107.8195

# Triad

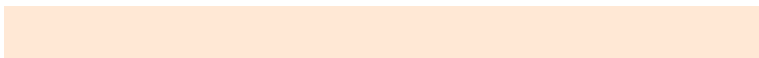
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3805, 89.2416, 91.1470



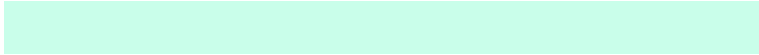
88.4631, 89.2416, 130.5000



92.3441, 89.2416, 75.1223

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



74.3805, 89.2416, 91.1470



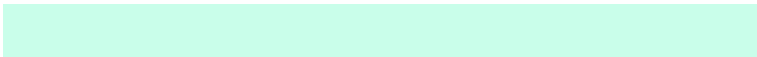
74.8140, 68.0669, 77.6056

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7766, 89.2416, 87.2439



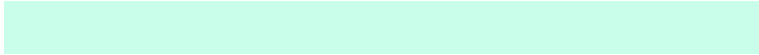
74.3805, 89.2416, 91.1470



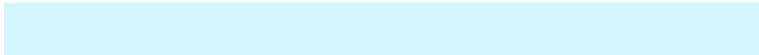
93.4666, 89.2416, 119.6457

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.3805, 89.2416, 91.1470



82.6919, 89.2416, 131.8526



96.1965, 89.2416, 103.4504

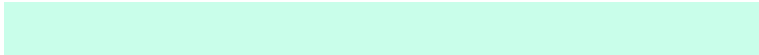


86.9873, 89.2416, 69.1728



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



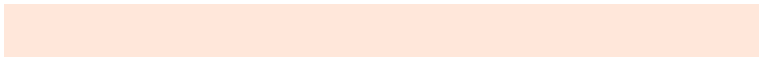
74.3805, 89.2416, 91.1470



76.4599, 89.2416, 118.5299



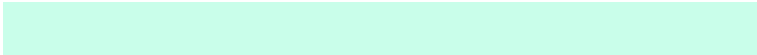
96.1965, 89.2416, 103.4504



93.7714, 89.2416, 78.5421

# Sweetspot

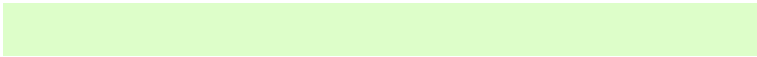
The Sweet Spot groups the original color and five complimentary colors.



74.3830, 89.2453, 91.1490



88.7275, 96.8465, 103.8241



75.9027, 90.5265, 68.7326



18.8501, 20.6587, 22.1065



0.0000, 0.0000, 0.0000

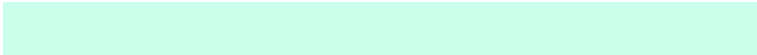


20.3446, 21.4041, 23.3091

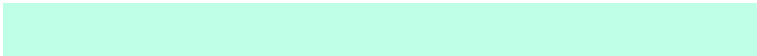


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.3830, 89.2453, 91.1490



71.7242, 88.3950, 88.8392



75.4908, 86.5990, 106.5067



18.2472, 20.3584, 21.6045



22.0195, 38.7044, 23.7857



2.1971, 3.7898, 2.5957



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74.8140, 68.0669, 77.6056



72.2309, 63.5530, 72.9584



73.7757, 70.0048, 64.8837



18.2929, 18.1005, 20.1598



22.7243, 11.5790, 7.1986

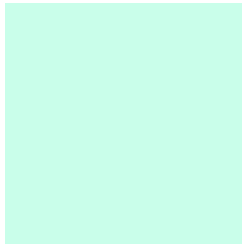


2.2636, 1.1478, 0.9696



# Previews

## White Background



This preview shows how the XYZ color 74.3805, 89.2416, 91.1470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

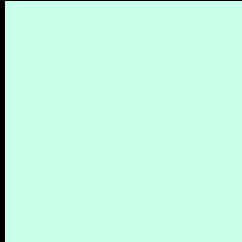
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3805, 89.2416, 91.1470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

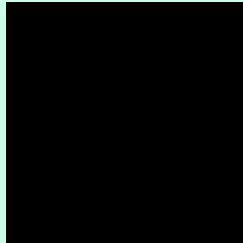
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

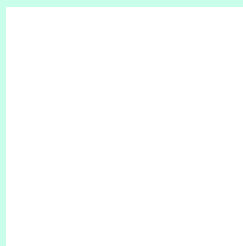
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.3805, 89.2416, 91.1470**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.3805, 89.2416, 91.1470.



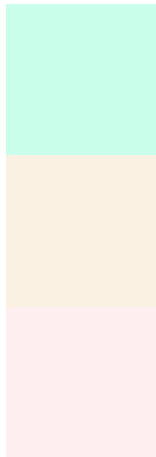
This preview shows how white text looks on a background with the XYZ color 74.3805, 89.2416,

91.1470.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.3805, 89.2416, 91.1470

### Protanopia

84.7448, 88.7806, 85.3429

### Deuteranopia

87.5427, 88.7003, 94.9450



## Tritanopia

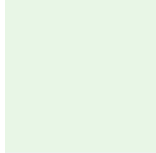
82.3810, 88.8557, 107.4167

# Trichromacy



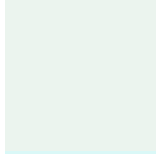
## Original Color

74.3805, 89.2416, 91.1470



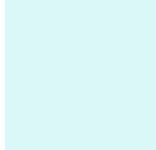
## Protanomaly

80.5174, 88.7805, 87.7555



## Deuteranomaly

82.0442, 88.5366, 93.6540



## Tritanomaly

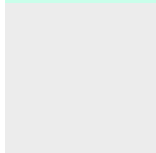
79.2693, 88.7556, 100.9493

# Monochromacy



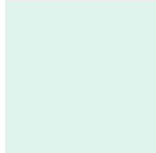
## Original Color

74.3805, 89.2416, 91.1470



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.4774, 85.7873, 91.0724

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3805, 89.2416, 91.1470 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 254, 234)` looks like.

```
.text, #text, p{  
    color:rgb(201, 254, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 254, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 254, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3805, 89.2416, 91.1470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 254, 234) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(201, 254, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(201, 254, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 254, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 254, 234);  
box-shadow:4px 4px 4px 4px rgb(201, 254,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3805, 89.2416, 91.1470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 254, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201,  
254, 234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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